— 1. A speaker comprising:

i. —a diaphragm <u>arrangedconfigured</u> to vibrate in a direction <u>extending alongcrossing</u> a surface <u>of</u> thereby emitting sound waves in the <u>speaker so as</u> to emit sound waves in a vibration direction of the diaphragm; and

at least one wall member arranged on a sound-wave emission side of the diaphragm: $_{ au}$

----wherein

- b. ——the <u>at least one</u> wall member and the diaphragm are secured to each other, and the wall member vibrates along with the vibration of the diaphragm.
- 2. ______The speaker according to Claim 1—or 2, wherein the at least one wall member includes a is arranged in the shape of a frame surrounding the sound-wave emission side of the diaphragm.
- 3. ___ 4. _ The speaker according to Claimany one of Claims

- 1 to 3, wherein the <u>at least one</u> wall member has a cross-sectional shape that is substantially the same as <u>athe rim</u> shape of a rim of the sound-wave emission surface of the diaphragm.
- 4. 5. The speaker according to Claimany one of Claims

 1 to 4, wherein the at least one wall member includes

 a plurality of wall members that are arranged concentrically with respect to a the center of the diaphragm.
- 5. ______ The speaker according to Claimany one of Claims

 1—to 5, wherein a the height of the at least one wall

 member is made—substantially the same as a the maximum

 amplitude of the diaphragm.

6. 7. A speaker comprising:

a diaphragm <u>arrangedconfigured</u> to vibrate in a direction <u>extending alongcrossing</u> a surface <u>of</u>, <u>thereby emitting</u> <u>sound waves in</u> the <u>speaker so as to emit sound waves in a</u> vibration direction of the diaphragm; and a plurality of tubular elements touching and arranged side by side on a sound-wave emission side of the diaphragm, <u>the tubular elements</u> each <u>of the plurality of tubular elements</u> having an inner surface <u>extending substantially parallel</u> to <u>a the</u> vibration direction of the diaphragm; <u>r</u>

----wherein

- c.—the <u>plurality of tubular</u> elements and the diaphragm are secured to each other, and the <u>plurality of tubular</u> elements vibrate along with the vibration of the diaphragm.
- 7. 8.—The speaker according to Claim 7, wherein <u>a the</u> height of <u>each of the plurality of tubular elements</u> is <u>made</u> substantially the same as <u>a the</u> maximum amplitude of the diaphragm.
- 8. A speaker unit comprising:
- a cabinet including a surface having an opening therein;
 a speaker attached to an inner side of the surface and
 aligned with the opening; wherein

the speaker includes:

- i. a diaphragm arranged to vibrate in a direction extending along a surface of the speaker so as to emit sound waves in a vibration direction of the diaphragm; and
- <u>ii.</u> at least one wall member arranged on a sound-wave emission side of the diaphragm; wherein
- the at least one wall member and the diaphragm are secured to each other, and the